

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

LISTING OF CLAIMS

1. (Currently Amended) A vehicle brake squeal control device comprising:
 - a control circuit;
 - a manual switch for transmitting signals a signal to said control circuit every time said manual switch is operated; and for reducing brake squeals,
 - a plurality of sensors for indicating transmitting signals indicative of states of travel[[,]] and braking[[,]] and temperatures corresponding to brake squeals; when said manual switch is actuated,
 - said control circuit comprising:
 - a memory for storing the signals transmitted from contents of operations for a predetermined number of operations of said manual switch for the values of said sensors when said manual switch is operated;
 - a setter for setting squeal control set values from the values of the respective stored state signals during brake squeal reduction operations, based on the signals stored in said memory when the number of times said manual switch is operated has reached a predetermined value; and
 - a comparator for comparing, after said squeal control values have been set, the values of the respective state signals transmitted from said sensors with said squeal control values to determine whether the signals transmitted from said sensors

are within a range of said squeal control with the set values; and whereby carrying out control for reducing brake squeals based on the results of comparison

a brake squeal controller for issuing a command for reducing brake squeals if it has been determined by said comparator that the signals transmitted from said sensors are within the range of said squeal control values, or when the signal from said manual switch is entered into said control circuit.

2. (Currently Amended) A brake squeal control device for a vehicle as claimed in claim 1 wherein if the signals transmitted from said sensors state signals after setting are out of the ranges of the set the squeal control values are outside the range of said squeal control values, said squeal control set values that have been set are renewable with the values of the respective state signals during squeal control with the signals of renewed based on the signals transmitted from the sensors when the manual switch is operated.

3. (Currently Amended) A brake squeal control device for a vehicle as claimed in claim 1 wherein said plurality of sensors include wheel speed sensors for indicating a the travel state, are wheel speed sensors, a sensor for indicating a braking state is a hydraulic pressure sensor in a hydraulic circuit for indicating the braking state, and sensors for indicating a temperature state are a vehicle interior temperature sensor and an exterior temperature sensor for indicating the temperature state.

4. (Currently Amended) A brake squeal control claimed in claim 3 1 wherein the plurality of sensors include a pressure force sensor for sensing a pressing force applied to a pad in a caliper portion to indicate the braking state, ~~is a caliper pad device for a vehicle as sensor for indicating the pressing force sensor.~~

5. (Currently Amended) A brake squeal control device for a vehicle as claimed in claim 2 wherein said plurality of sensors include wheel speed sensors for indicating a the travel state, ~~are wheel speed sensors, a sensor for indicating a braking state~~ is a hydraulic pressure sensor in a hydraulic circuit for indicating the braking state, and ~~sensors for indicating a temperature state~~ are a vehicle interior temperature sensor and an exterior temperature sensor for indicating the temperature state.